ELSEVIER

Talanta 55 (2001) 1247–1250

Talanta

www.elsevier.com/locate/talanta

Author Index

Volume 55 (2001)

Aaron, J.-J., 531
Abbas, M.N., 647
Absalan, G., 1227
Acar, O., 613
Afkhami, A., 55
Agnihotri, N.K., 799
Alberti, G., 541
Alkan, M., 415
Alonso, E.V., 219
Angnes, L., 855
Anuse, M.A., 469
Arce, C., 821
Arkhypova, V.N., 919
Asano, Y., 449
Asghari, F.S., 573
Assl, A.A., 55
Atkinson, D.A., 491

Baba, K., 449
Bagheri, H., 1141
Bagirova, N.A., 1151
Balbo, V.R., 249
Baranowska, I., 209
Barbeira, P.J.S., 249
Belkin, S., 959, 1029
Benhar, I., 899
Berthod, A., 69
Bezrukov, S.M., 965
Bhattacharyya, A.J., 943
Bhattacharyya, S.N., 233
Bidan, G., 981
Biesuz, R., 541
Billon, M., 981
Bin, X., 459
Blasco Gomez, F., 1079
Bobbitt, D.R., 1195
Borgerding, A.J., 519, 755
Bosch-Reig, F., 403
Bosque-Sendra, J.M., 531
Bralić, M., 581
Bravo-Sánchez, L.R., 1071
Brinić, S., 581
Bugni, E., 721
Burba, P., 587
Burguera, J.L., 743
Burguera, M., 743
Bustin, D., 1065
But, S., 371
Büttgenbach, S., 425
Butt, S.B., 789

Cai, B., 85
Campiglia, A.D., 509
Campins Falcó, P., 1079
Campíns-Falcó, P., 403
Caron, C., 291
Carrero, P., 743
Carunchio, F., 189
Castro, A.A., 281
Castro, S.S.L., 249
Catterall, K., 1187
Cervera, M.L., 1
Chamjangali, M.A., 715
Chang, W.-b., 693
Chan, S.-A., 1127
Chaurasia, S.C., 501
Chen, D.-y., 693
Cheng, T.-C., 881
Cheng, W., 807
Chen, L., 1091
Chen, W., 29
Cheung, M.-C., 929
Chiarelli, P., 973
Chintalapudi, S.N., 233
Choi, H.-S., 163
Ci, Y.-x., 693
Cosnier, S., 879, 889, 1015
Costa-Fernández, J.M., 1071
Coutures, C., 881
Crescenzi, C., 189
Cucca, L., 155
Cui, D., 1205
Cummings, E.A., 1015
Current, R.W., 519

Darbandi, M.K., 573
Das, A.K., 1
Dash, K., 501
Daum, K.A., 491
Davis, C.B., 909
DeFrank, J.J., 881
de la Guardia, M., 1
de la Riva, B.S.V., 1071
de Luca Rebello Wagener, A., 281
Dernovics, M., 437
Dessalles, M.C., 721
Diallo, S., 721
Di, J., 783
Djurdjevic, P., 631
Dong, S., 61
Dorsey, J.G., 69
Du, A., 815
Du, J., 1055
Dupont-Filliard, A., 981
Durán Merás, I., 623
Durmuş, S., 357
Durmuş, Z., 357
Dutta, R.K., 233
Du, X., 93
Düz, M.Z., 639
Dzyadevych, S.V., 919

Eftekhari, A., 395
Eggins, B.R., 1015
Ehlert, A., 425
Elbanowski, M., 371
El'skaya, A.V., 919
Ensafi, A.A., 715
Erk, M., 109
Eshkenazi, I., 899
Espinosa-Mansilla, A., 623
Ewing, R.G., 491

Farias, P.A.M., 281
Fatibello-Filho, O., 677, 685
Favier, A., 291
Feingold, M., 943

PII: S0039-9140(01)00621-X

Feng, P., 321
Fernández Romero, J.M., 821
Fisher, D.A., 765
Fodor, P., 437
Fournier, D., 965
Fry, D.R., 1195
Fuh, M.-R.S., 1127
Fujikawa, Y., 765

Gallego, M., 135
Gammelgaard, B., 117
Gamoudi, M., 951
Ganjali, M.R., 1047
Ganszky, I., 561
Gan, W.-e., 271
Gao, H., 171
Gao, J., 99
Gao, M., 329
Garau, A., 1047
García-Campaña, A.M., 531
García de Torres, A., 219
Garcia, E.E., 847
Garrel, C., 291
Gasdeblay, S., 721
Gelencsér, A., 561
Generalić, E., 581
Georgakopoulos, C.G., 1173
Georgoulakis, I., 1173
Ghassempour, A., 573
Gholami, A., 1141
Girelli, A.M., 189
Gladman, C., 1187
Golabi, S.M., 305
Gomi, T., 449
Gong, X., 1103
González, M.M., 135
Gress, M.F., 755
Grosset, C., 291
Grudpan, K., 551
Guilbault, G.G., 605
Guillaume, Y.-C., 263
Guillerez, S., 981
Guinchard, C., 263

Hachiya, H., 449
Haili, Z., 459
Hałaburda, P., 1165
Hamamci, C., 639
Harald Hansen, E., 117
He, D., 1109
He, F., 871
Hemmi, A., 449
Hernández, J., 201
He, Y.N., 349
He, Y.-z., 271
Hilty, C., 965
Hirakawa, M., 387
Hobo, T., 449
Homoda, A.M.A., 647
Hou, J., 99
Huang, C.Z., 321
Hu, B., 85, 841
Hu, S., 1205
Hu, S.-w., 693
Hu, Z., 1119

Imato, T., 449
Ingle, J.D., 699
Ingman, P., 733
Ipolyi, I., 437
Iqbal, M.Z., 789
Ito, S., 449
Ivanko, L.S., 313

Jadhav, S.B., 1059
Jaffrezic, H., 919
Jaffrezic-Renault, N., 919, 951
Jakubowski, B., 587
Jal, P.K., 233
Jamaluddin Ahmed, M., 43
Javanbakht, M., 1047
Jelikic-Stankov, M., 631
Jiang, G.-b., 807
Jiang, S., 1091
Jiang, Z., 85, 841
Jiao, K., 1211
Jin, J., 329
Jin, J.-Y., 241
Jin, L., 241, 329
John, R., 1187
Jones, B.D., 699
Jr, 699

Kang, J., 99
Kara, D., 415
Karube, I., 93
Kika, F.S., 127
Kiliç, E., 357
Kim, H., 297
Kim, H.-S., 163
Kim, J.S., 297
Kiss, G., 561
K. Mishra, B., 233
Koerner, R.M., 765
Koivikko, R., 733
Konstantinidou, M., 1173
Koplik, R., 595
Korte, E.-H., Secretary:, 215
Kouretas, D., 1173
Kouzaka, Y., 387
Krajčíková, M., 1065
Krivácsy, Z., 561
Kubo, K., 485
Kudo, A., 765
Kuhr, W.G., 909

Laban, A., 631
Lamartine, R., 951
Lassalle, N., 993
Leblanc, R.M., 881
Lee, J.K., 297
Legin, A., 425
Lenghor, N., 551
Lev, O., 1029
Liao, Z., 85, 841
Li, B., 1097
Li, H.L., 479
Li, H.-l., 1103
Li, K.-A., 669
Li, K.A., 29
Li, M., 271
Li, N., 1219
Linquette-Mailley, S., 1015
Lin, X.-q., 271
Lippolis, V., 1047
Lis, S., 371
Liu, F., 29
Liu, H., 871
Liu, J.-m., 807
Liu, W., 1097
Liu, X., 99
Livache, T., 993
Li, Y., 1055
Li, Y.F., 321
Li, Z.-P., 669
Lu, J., 1055
Luo, M., 241
Lupetti, K.O., 685
Luque de Castro, M.D., 821
Lu, X., 99

Maaref, H., 951
Madrakian, T., 55
Maesum, S., 1227
Ma, H., 693
Mahuzier, G., 721
Mailley, P., 993, 1005, 1015
Malve, S.P., 1059
Ma, M., 1109
Mamun, M.-A., 43
Mannucci, B., 155
Mansour, H.R., 715
Mao, L., 85
Marchenko, I.V., 313
Marks, R.S., 879, 889, 1029
Marot, D., 721
Martelet, C., 919, 951
Martelli, P.B., 861
Masadome, T., 449
Matos, R.C., 855

Matsumoto, K., 1119
McAdams, E.T., 1015
Meier, W., 965
Meinrath, G., 371
Mello, S.V., 881
Merdivan, M., 639
Meseger Lloret, S., 1079
Messina, A., 189
Mestek, O., 595
Meyer, M.J., 519, 755
M'ghaïeth, R., 951
Michałowski, J., 1165
Mishra, A.K., 143
Molins Legua, C., 1079
Moreno, A., 821
Mori, A., 485
Morris, K., 1187
Moskovljević, V.M., 363
Mostafa, G.A.E., 647
Mousavi, M.F., 305, 1047
Muñoz, R.A.A., 855

Nabi, A., 551, 1181
Nagaraja, P., 1039
Nakamura, H., 93
Nam, H., 297
Nardin, C., 965
Navrátilová, I., 831
Neufeld, T., 899
Nianjun, Y., 459
Nie, L., 337
Nishimura, Y., 485
Nóbrega, J.A., 677, 847
Nogueira, A.R.A., 847
Novoa, A., 889
Numata, M., 449

O'Halloran, M.P., 605
Ohkubo, S., 449
Oliveira, A.F., 677
Opatowsky, J., 899
Orlichenko, E.V., 313
Ortuño, J.A., 201

Paić, M., 109
Pandey, P.C., 773
Parham, H., 255
Park, S.J., 297
Pasco, N., 1187
Passerini, S., 35
Patra, D., 143
Pavelková, H., 595
Pavón, J.M.C., 219
Peña, N., 179
Peng, T., 841
Pereiro, R., 1071
Perez, E., 889
Pesavento, M., 541
Petit de Peña, Y., 743
Peuravuori, J., 733
Peyrin, E., 291
Pfendt, L.B., 363
Pihlaja, K., 733
Pingarrón, J.M., 179
Polyak, B., 1029
Popović, G.V., 363
Pravda, M., 605
Prazen, B.J., 551
Preininger, C., 973
Premkumar, J.R., 1029
Profumo, A., 155
Puech, L., 889
Pyrzyńska, K., 657

Qijin, W., 459
Quigley, W.W.C., 551
Qu, Q.-s., 271
Qu, W., 815

Radić, N., 581
Rahmani, A., 305
Raróg, D., 209
Raspor, B., 109
Rastogi, V.K., 881
Ravel, A., 291
Reis, B.F., 861
Ren, J., 99
Reviejo, A.J., 179
Reyes, F.D., 821
Riaz, M., 789
Rico-Lattes, I., 889
Rim, J.A., 297
Rishpon, J., 899
Riva, F.D., 541
Robert, J.-F., 263
Rocha, F.R.P., 861
Rodríguez Gómez, M.J., 623
Roget, A., 993
Rondón, C., 743
Rosen, R., 959, 1029
Rudnitskaya, A., 425

Sadik, O.A., 929
Safavi, A., 1227
Saha, A., 233
Salinas López, F., 623
Sánchez-Pedreño, C., 201
Sanz-Medel, A., 1071
Sargar, B.M., 469
Sasaki, S., 93
Scaccia, S., 35
Senhadj-Raoul, F., 721
Sevillano Cabeza, A., 1079
Shaky, S., 899
Shamansky, L.M., 909
Shamsipur, M., 305, 1047
Shannon, I.J., 213
Sharghi, H., 305
Sharma, R.L., 799
Shekhovtsova, T.N., 1151
Shi, G., 241, 329
Shon, O.J., 297
Silva, J.C.J., 847
Singh, G., 773
Singh, H.B., 799
Singh, V.K., 799
Skládal, P., 831
Solak, A.O., 357
Soldatkin, A.P., 919
Spini, G., 155
Spyridaki, M.-H.E., 1173
Stefánka, Z., 437
Stradiotto, N.R., 249
Stuart, J.K., 909
Suchánek, M., 595
Sudarshan, M., 233
Sukhan, V.V., 313
Sunitha, K.R., 1039
Sun, W., 1211
Synovec, R.E., 551
Szunerits, S., 889

Tandel, S.P., 1059
Tan, Y., 337
Tao, G., 765
Tarola, A.M., 189
Tauber, M., 959
Tei, L., 1047
Thangavel, S., 501
Themelis, D.G., 127
Tian, M., 349
Tomčík, P., 1065
Tomer, S., 69
Tong, S., 29
Tong, S.-Y., 669
Tortajada-Genaro, L.A., 403
Tortajada Genaro, L.A., 1079
Trešl, I., 595
Tsitsimpikou, C., 1173
Tsuji, T., 485
Tu, Y., 783
Tzanavaras, P.D., 127

Valcárcel, M., Chairman:, 135, 215
Vañas, B., 595
Van den Bergh, J., 587
van Huystee, R.B., 1151
Varga, B., 561
Vasantha, R.A., 1039
Vieil, E., 993

Vieira, I.C., 685
Vielma, O., 743
Viklický, V., 831
Villet, A., 291
Vlasov, Y., 425
Vocanson, F., 951

Wang, G., 1119
Wang, H., 61
Wang, J., 117
Wang, L., 329
Wang, P., 337
Wang, Q., 1109, 1219
Wang, S., 693
Whitcomb, J.L., 509
Winterhalter, M., 965
Wong, J.L., 349
Wu, K., 1205
Wu, Y., 841

Xian, Y., 241
Xie, Q., 1109
Xinpin, Z., 459
Xiong, H., 85
Xue, J., 241
Xu, F., 329
Xu, G., 61

Yamada, R., 765
Yamane, T., 387
Yang, H., 99
Yang, L., 271
Yang, M., 479
Yang, R., 1091
Yao, S., 337
Yao, Z.-w., 807
Yaqoob, M., 1181
Yi, H., 1205
Yuan, J., 1119

Zairi, S., 951
Zaporozhets, O.A., 313
Zargar, B., 255
Zhai, Q., 693
Zhang, C.-y., 693
Zhang, L., 871
Zhang, S., 1211
Zhang, W., 329
Zhang, X., 29, 171
Zhang, Z., 1097
Zhao, D., 815
Zhao, H., 1187
Zhao, M.-z., 693
Zheng, J., 171, 765
Zhou, Y.-k., 1103
Zhou, Z., 337

ELSEVIER

Talanta 55 (2001) 1251–1255

Talanta

www.elsevier.com/locate/talanta

Subject Index

Volume 55 (2001)

Acid-digested sheep faeces 847
Adenine determination 281
Adsorption 313, 357
Adsorption stripping voltammetry 1205
Aerosol deposition 219
Agaricus bisporus 437
Albuminuria 831
Al electrode 395
Alloy 43
Aluminum 841
Amberlite XAD-16 639
Amperometric 899
Amperometric detector 249
Amperometry 855
Analysis of blood 743
Analysis of solid tissues 743
Analysis of variance 35
Antibody 1029
Antibody–antigen interactions 929
Antimony 743
Apple juice 1165
Aqueous solutions 1
Arctic 765
Arsenic 135
Arsenic (III) determination 55
Artificial neural network 425
Artificial neural networks 1227
Aryldiamines oxidation 1151
Ascorbic acid 99, 249, 855, 1065
Ascorbic acid determination 127
Atmospheric aerosol 561
Atomic absorption spectrometry 743
Azacrown ether 297

Bacterial porins 965
Bensulfuron-methyl 1119
Benzene sulfonic acid 61
Benzo(*a*)pyrene 509
Benzodiazepines 721
Benzoyl hydrazine 1103
Bias error 1079
Biochemical oxygen demand (BOD) 1187
Bioelectrocatalysis 1005
Biological samples 43
Bioluminescence 959, 1029
Bio-mimetic sensor 337
Biosensor 685, 773, 889, 899, 965, 993, 1015
Biosensors 605, 909
Biotin 981
1,4-Bis(prop-2′-enyloxy)-9,10-anthraquinone 305
Boron 387
Brass 163
Brdička reaction 109
Brilliant green 715
Bromate 55
Bulk acoustic wave 337
Bulk liquid membrane 1109
BZ oscillating chemical system 99

Cadmium 613
Calcium 861
Calibration straight lines 109
Calix[4]arene 297, 951
Capillary electrophoresis 657
Carbon paste electrode voltammetry 349
Carboxylic resin 541
Catechol derivatives 1039
Cationic surfactant 799
Cell design 403
Cetyltrimethylammonium bromide 1205
Chamber volume 519
Charge transfer complex 783
Chemically modified carbon paste electrode 305
Chemical modifier 841
Chemical modifiers 613
Chemiluminescence 403, 1055, 1097, 1165
Chip 973
Chlorophenoxyacid herbicides 531
Chlorphenamine–imprinted polymer 29
Chlortetracycline; 1097
Cholesterol 69
Chromatography 263, 789, 1091
Chromium determination 403
Chromium(VI) 271
Chronoamperometry 685

PII: S0039-9140(01)00622-1

Cisplatin-liposome 693
Cloud-point temperature 69
Cobalt 1059
Cold vapor atomic fluorescence spectrometry 1141
Computer-assisted target factor analysis 371
Continuous filtration/dissolution 821
Continuous flow system 387
Continuous precipitation-dissolution 135
Copper 163, 281, 861
Copper ion-selective electrode 1047
Creatinine 1079
Critical micellar concentration 69
Cucumber mosaic virus 1211
Cyclic voltammetry 357, 1219
β-Cyclodextrin 263, 973
L-cysteine 459
Cytosine 281

Dansylaminoacids 263
DAX/XAD resin 733
DBBT 639
Decontamination 765
Dequalinium chloride 669
Derivative spectrophotometry 209, 363
Determination 255
Determination of phenols 1151
Determination of SO_2 241
Determination of tin 313
Diagnosis 871
Diazotisation 1039
Differential pulse anodic stripping voltammetry 305
Differential pulse voltammetry 479
3,8-Difluorobenzo[c]cinnoline 357
4,5-Dihydroxy-1,3-benzenedisulfonic acid (Tiron) 163
1,8-dihydroxy-3,6-naphthalene-disulphonic acid 387
2,5-dimercapto-1,3,4-thiadiazole 43
2,4 Dinitrophenyl 1195
Diode array detection 721
Dipeptides 189
Disulfiram 1065
Divalent cation 449
DNA 321, 909
DNA hybridisation 993
DNA stretching 943
Dodecyl sulfate 551
Dopamine 329
Drinking water 271
Dynamic surface tension 551
Dysprosium 847

E. coli 1029
EDTA availability 587
Egg yolk 69
Elastic modulus 973
Electrocatalysis 1103, 1219
Electrochemical signal 171
Electrode 773
Electrokinetic flow analysis 271
Electronic tongue 425
Electroosmotic pump 271
Electrostacking 271
Electrostatic attachment 61
Electrothermal atomic absorption spectrometry 135, 219, 847
Electrothermal vaporisation 595
Electrothermal vaporization 841
Elemental speciation 1
ELISA 1211
Emissions 155
Environmental 43
Environmental and biological samples 85
Environmental monitoring 699
Enzymatic test 981
Enzyme electrode 889, 1005
Epinephrine 1165
EQCM 929
Equine urine 1173
Escherichia coli 959
Europium 847
Europium ions 1109
Extract 469
Extraction 519, 755, 1059

FIA 715, 1015
Flame atomic absorption spectrometry 35
Flavonoids 209
Fleroxacin 631
Flow and batch mode 1079
Flow injection 117, 127, 743
Flow-injection 1165
Flow injection 1055, 1097
Flow injection analysis 531
Flow-injection analysis 201, 1181
Flow-injection spectrophotometry 861
Flow injection spectrophotometry 677
Flow system 249
Flow-through 179
Fluorescence 531
Fluorescence energy transfer 1119
Fluorescence microscopy 993
Fluoride ion-selective electrode 581
Flurazepam 363
Flurbiprofen 1173
Flurbiprofen metabolites 1173
Focalized reactor 677
Folinic acid (leucovorin) 623
Formamide 943
Fourier self-deconvolution 171
Fractal analysis 871
Functionalised pyrrole 993

Gaseous compound introduction 841
GC-FPD 807
Gibbs–Donnan model 541
Glucose oxidase 605, 889

Gold electrode 255
Gold electrodes from CDs 855
Graphite furnace atomic absorption spectrometry 271
Groundwater monitoring 425
Guanine 281

Halide reactant ions 491
Halogenated organic acids 959
Haptens 1195
Heavy metals 765
Hela cells 693
Hexacyanoferrate 395
High-molecular immunocomplex formation 821
High performance liquid chromatography 189
HIMH 1059
Histone 93
H_2O_2 395
Homogeneous immunoassay 1119
Horseradish peroxidase 1211
HPLC 573
HPLC determination 631
HPLC-HHPN-AFS 437
HSGC 755
Human serum albumin 831
Human urine 623
Humic substances 587, 733
Hydrazine 479
Hydride generation 743
Hydrodynamic chromatography 291
Hydrogen peroxide 605

Ice core 765
ICP-AES 841
ICP mass spectrometry 815
ICP-MS 117
Immobilization 871, 909
Immobilized enzyme 1181
Immunoassay 821
Immunosensor 831
Impedance spectroscopy 581
Impregnation 639
Inductively coupled plasma atomic emission spectrometry 85
Inductively coupled plasma mass spectrometry 765
Inhibition analysis 919
Inhibitors 189
Inorganic selenium speciation 155
Interaction 321
Interdigitated microelectrode array 1065
Interference removal 1227
Intrinsic complexation constants 541
Ion-exchanger 773
Ion mobility spectrometry 491
Ion-selective electrode 297
Ion-selective electrodes 201
Ion selective sensors 425
Iron 861
Iron and steels 387
Iron(III) determination 415
Isodifferential points 799
Isolation 561
Isosorbide dinitrate 255
Isotope dilution 595, 815

Kinetic and thermodynamic stability 587
Kinetic fluorimetry 623
Kinetic-spectrophotometric 55

Laccase 189
Langmuir fims 881
Lanthanides 371
Lanthanum, europium and ytterbium 85
Large particle 93
Latex 889
LC–ES-MS 1127
Lead 613, 1071
Lead determination 43, 305
Lead(II) 271
Lifetime 951
Light-scattering 93
Light scattering (LS) 485
Linear sweep stripping voltammetry 459
Lipophilic acrylate resin matrix 449
Liquid chromatography 721
Liquid crystals (LCs) 485
Liquid–liquid 469
Literature survey 1
Long-term stability 449
Lorazepam 363
LS voltammetry 255
Luminol-hydrogen peroxide reaction 403

Magnesium 861
Magnetic electrode 479
Magnetic microsphere 479
Maleic acid 1091
Mass spectrometry 573, 595
Mechanism 929
Mediator 605
Membrane 581
2-mercaptobenzimidazol impregnated silica gel 1141
Mercury 1071
Mercury speciation 1141
Metallic micro-particles 1005
Metallothionein determination 109
Metal species 587
Micellar liquid chromatography 69
Micellar medium 531, 799
Micelle 143
Microbial biosensors 959
Microbial catabolism 1187
Microcrystalline naphthalene 85
Microfluidic 909
Microorganism 1187
Microwave oven 677

Migration regimes 291
Millerite 349
Mixed aza-thiother crowns 1047
Modified electrode 249, 329, 395
Molar volume 69
Molecular imprinted polymer (MIP) 29
Molecularly imprinted polymers 337
Molecular recognition 337
Molybdate ion 1039
Molybdenite 815
Molybdenum 783
Molybdophosphate 501
Mono(2-ethylhexyl)2-ethylhexyl phosphonate [HEH(EHP), P_{507}] 1109
Monolayer 61
Multibiosensor 919
Multicommutation 861
Multicomponent analysis 143
Multidetermination 861
Multivariate correspondence analysis 919

Nafion 1205
Nanocapsule 965
Neutral red 321
Nickel 595
Nickel sulfide 349
Nitrite 789
N,N′ -bis(2-hydroxy-5-bromo-benzyl)1,2 diaminopropane 415
Nonionic surfactants 69
Norepinephrine 1219
Nuclear magnetic resonance (NMR) 733
Nucleic acid 669
Nucleic acids 93, 291

On-line dilution 117, 127
On-line electrogenerated $[Cu(HIO_6)_2]^{5-}$ 1097
On-line preconcentration 219, 1071
On-line sample treatment 743
On-line speciation 743
o-Phenylenediamine 1211
Optical fibers 1195
Optical tweezers 943
Organophosphorous hydrolase 881
Organophosphorous pesticides 807
^{187}Os 815
^{186}Os and ^{188}Os spikes 815
Over Nernstian 951
Oxidase 1165

Paracetamol 337, 685
Paraoxon 881
Parkinson's disease 329
Particulate matter 155
Peak height 799
Peanut peroxidase 1151
Pentachlorophenol 647
Perchlorate 201
Permanganate 201
Permeability 889
Persea americana 685
Perturbation 99
Phage display 899
Pharmaceutical analysis 1097
Pharmaceutical formulations 127
Pharmaceutical preparations 861
Pharmaceutical products 855
Phenol 1205
Phenolic compounds, 179
Phenolics 1015
Photoderivatization 531
Piezoelectric quartz crystal 337
PIXE technique 233
pK_a determination 363
PMBP 841
Poly(aminobenzoic acid) 329
Polycyclic aromatic compounds 143
Polycyclic aromatic hydrocarbons 509
Polyhydroxy phenols 1055
Polymer electrolytes 35
Polyoxometalates 371
Polyphenol 1165
Polypropylene vessel 501
Polypyrrole 981, 1005
Polyvalent system 861
Poly(vinyl alcohol) 973
Porous silicon 951
Potassium permanganate 623
Potentiometry 297, 449, 1047
Pre-concentration 1141
Protein stabilisation 965
Prussian blue 249, 605
Pulsed electrochemical detection 929
PVA 783
PVC membrane 1047
PVC membrane electrode 647
PVP/Pd/IrO_2 modified electrode 241
1-(2-Pyridylazo)-2-naphthol 799
Pyrolysis 573

QCM 981, 993
Quartz crystal microbalance 831
Quenching effect 163
Quercetin 209
Quercetin immobilized 313

Rapid aqueous sample extraction (RASE) 519
Redox indicator 699
Redox sensor 699
Resolving overlapped bands 171
Resonance light scattering 669
Retention 1091
Reticulated vitreous carbon 179
Room-temperature fluorimetry 509
$Ru(bpy)_3^{2+}$ Electrochemiluminescence 61

Ruthenium 715

Sample matrix 755
Sampling 35
scFv 899
Screen-printed electrode 605
Screen-printed electrodes 1015
Sea water 1071
Se(IV) 1227
Selenium 657
Selenium speciation 437
Self-assembled electrode 1219
Self-assembled monolayer 459
Sensitivity 951
Sensor 1029
Sensory 1195
Separation 789
Sephadex gel 387
Sequential sample preparation 437
Serine 1181
Serine dehydratase 1181
Serum 631
Silica gel 233, 313
Simplex optimization 1165
Simultaneous determination 799
Single chain antibodies 899
Single molecule 943
Single molecule detection 965
Slalom chromatography 291
Sodium detection 951
SO_2 gas sensor 241
Soil samples 43
Solid-matrix luminescence 509
Solid-phase extraction 509
Solid phase extraction 561
Solid-phase extraction 29
Solid state 581
Solvent extraction 415
Sorption of bivalent metal ions 541
Speciation 349, 371, 415
Speciation analysis 657
Species 469
Spectrofluorimetric detection 387
Spectrophotometer 1181
Spectrophotometry 43, 321, 501, 715, 783, 1039, 1059
SPME 807
ssDNA 281
Steel 43
Stream water 163
Streptavidin–biotin interaction 821
Stripping voltammetry 281
Structural composition 733
Styrene–butadiene–styrene copolymer 871
Sulfonamide 1127
Sulphanilamide 1039
Synchronous fluorimetry 143

Tapwater hardness 449
Te(IV) 1227
Terbium 1119
2,2,6,6-Tetramethyl-4-hydroxypiperidine-1-oxyl 1103
The effect of physico-chemical parameters 109
Thermodynamic 263
Thymine 281
Toxic substances 919
Trace 1059
Transition metal 297
Transmission intensity 485
Transport 519
Transport kinetics 1109
Tribromoarsenazo 85
Trichinosis 871
Triphenyl tetrazolium 647
Trough depth 799
TSM immunosensor 871
Tungsten coil atomizer 847
Tyrosinase 179, 1015

Unsegmented biphasic flow 677
Upland soil diagnosis 449
Uranium 639
Urine 117, 1079
UV spectra analysis 721

Vancomycin hydrochloride 573
Vapour phase decomposition (VPD) 501
Vitamin B_2 459
VOCs 755
Volatile compounds. 219
Volatile organic compounds (VOCs) 519
Voltammetry 693, 1211
Volumetric flow rate 551

Wastewater 755
Water 55
Water analysis 807
Water-soluble organic matter 561
Wavelet transform 171
Wavelet transform-based Fourier self-deconvolution 171
Working areas 155

Yeast 93

Zeeman background correction 613
Zinc 861